

L7: Entry 1 of 43

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PUB-NO: JP411279519A
DOCUMENT-IDENTIFIER: JP 11279519 A
TITLE: ADHESIVE COMPOSITION

PUBN-DATE: October 12, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
YOKOHAMA RUBBER CO LTD:THE	N/A

APPL-NO: JP10136474

APPL-DATE: May 19, 1998

INT-CL (IPC): C09J 181/02; C09J 163/00; C09J 175/04; C09K 3/10; C08G 75/08

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain an adhesive compsn. which has high adhesive power and quick curability and is useful for bonding rubbers, metals, or plastics by using a compd. (A) prep'd. by replacing a part or the whole of oxirane rings of an epoxy compd. with thiirane rings or a component comprising compd. A and an epoxy compd. (B) and by specifying the ratio of oxirane ring content to thiirane ring content in the compsn.

SOLUTION: This compsn. contains a compd. (A) prep'd. by substituting a part or the whole of oxirane rings of an epoxy compd. with thiirane rings of the formula or a component contg. compd. A and a compd. (B) having oxirane rings and no thiirane ring, and the ratio of oxirane ring content to thiirane ring content in the compsn. is (90/10)-(10/90). In order to obtain a high adhesive strength, the compsn. pref. contains a compd. having both thiirane rings and oxirane rings and compd. B. The compsn. may be a two-component system wherein compds. A and B are mixed with a curing agent when the compsn. is used or may be a one-component system wherein a latent curing agent is mixed with compds. A and B.

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File: DWPI

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DERWENT-ACC-NO: 1999-629519

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TITLE: Adhesive compositions - are suitable for rubber, metals and plastics and some are used in the chemical engineering and building fields

PATENT-ASSIGNEE:

ASSIGNEE	CODE
YOKOHAMA RUBBER CO LTD	YOKO

PRIORITY-DATA: 1998JP-0018889 (January 30, 1998), 1997JP-0128496 (May 19, 1997)

PATENT-FAMILY:

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INT-CL (IPC): C08G 75/08; C09J 163/00; C09J 175/04; C09J 181/02; C09K 3/10

ABSTRACTED-PUB-NO: JP 11279519A

BASIC-ABSTRACT:

An adhesive composition containing:

(A) a compound in which part of all of the oxyiane ring(s) of an epoxy compound are replaced with thiirane ring of formula (1) or the compound (A) and

(B) a compound containing an oxirane ring and not containing thiirane ring in the mol. at a ratio of oxirane ring/thiirane ring of 90/10-10/90 is new.

Formula (1-1)-p

USE - The adhesive compositions are suitable for rubber, metals and plastics and some of the compositions are useful in civil engineering and building fields.

ADVANTAGE - The adhesive compositions have excellent adhesion strength and rapid curing properties, some of the compositions also have excellent low temperature and rapid curing properties, low odour, low modulus and flexibility and the resin compositions for sealing have excellent adhesion strength and tensile strength.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: ADHESIVE COMPOSITION SUIT RUBBER METAL PLASTICS CHEMICAL ENGINEERING BUILD FIELD

DERWENT-CLASS: A21 A81 A93 G03